Data Sheet

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FUJITSU COMPUTERS SIEMENS

PRIMERGY TX150 S2

Mono Processor Server – Low computing complexity with great data safety

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PRIMERGY TX Tower Servers ensure carefree and continuous operation with proven data center technology. Their design for maximum ease of use and ease of management has been honored with industry design awards in 2003 and 2004. The latest processor generation combined with innovative air flow cooling technology ("cool-safe") assure a long life and the highest possible performance at work. And as your business grows, so do our PRIMERGY towers, providing plenty of headroom for expansion so that you benefit longer from your investments in PRIMERGY tower servers.

For corporate workgroups and remote sites, PRIMERGY TX servers ensure less troubleshooting and lower costs with their complete PRIMERGY ServerView Suite remote management functions – flexible management from anywhere at any time. Since corporate infrastructure is subject to consolidation changes, our universal tower-to-rack conversion kit protects your investment by prolonging the system's lifecycle.

The flexible custom supply model and our build-to-order process mean that only fully built and pre-tested solutions are shipped to customers, who can select from a broad family of tower models to meet their individual needs.

PRMERGY TX150 S2

The tower server that combines low complexity with great data safety. The simplicity of hot-plug disks makes replacement easy without requiring that the server be powered down. The choice between SATA and SCSI technology means no compromises in data security. Data safety is secured for both with hard disk mirroring (RAID 1), and duplicated data means security against physical data loss.
If low costs are key but data safety is an important feature, the serial-ATA variation of the TX150 S2 is your premier choice. By opting for the economy pricing of SATA disk drives, you get data security at no extra cost. With options such as hot-plug power supply and hot-plug disks, the security demands of different application areas can be covered individually.

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Key Features	Benefits
▪ ECC, mirror (RAID 1) disks integrated with SATA or SCSI	▪ Duplicated data means security against physical data loss
▪ Intel® Pentium®4 supporting Hyper-Threading Technology	▪ Up to 30 % higher performance with HT support
▪ Hot-plug functionality is available as option for the most important system components: Hot-plug HDD infrastructure (standard) Hot-plug PSU (optional)	▪ Tailor made availability, offers the security level which is recommended by your individual application demands

Type	Mono-Processor Tower Server
System board	D1751
Chip set	Intel® E7210
Processors	Intel® Celeron® / Pentium® 4
Frequencies (GHz)	2.8 / 3.0, 3.2, 3.4
Front-Side-Bus	533 MHz / 800 MHz
Second-Level-Cache	256 Kbyte ECC / 1 Mbyte ECC
Memory	
256 Mbyte up to max. 4 Gbyte, unbuffered ECC PC3200 DDR SDRAM; with Pentium® 4 organized with dual-channel in 2 slots, with Celeron® organized with single channel in one slot for modules 256 Mbyte, 512 Mbyte and 1 Gbyte, mix and match of modules possible	
Flash-EPROM	
Local BIOS update from floppy disk; Remote BIOS update via LAN (Global Flash tool), via modem (optional chipDISK, RemoteView Diagnosis), and via optional RemoteView Service Board (RSB).	
Interfaces	
Serial	1 x serial (over BMC) RS-232-C (9-pin) 1 x serial RS-232-C (9-pin)
Centronics (parallel)	1 x 25-pin, EPP/ECP compatible
Keyboard, Mouse	2 x PS/2
USB	1 x front, 2 x back
Graphic	1 x VGA (15-pin)
LAN	1 x RJ45
Onboard controller **	
IDE	2 x ATA100 (for CD / DVD drives)
SCSI (LSI1020)	1-channel Ultra320 SCSI for internal HDD´s and internal backup devices with RAID 1 (Integrated Mirroring Enhanced also for odd numbered HD´s for Windows and Linux)
LAN (Intel 82540EM)	Ethernet 10/100/1000 Mbit/s
Graphics	ATI Rage XL 8 Mbyte
Server management	Baseboard Management Controller (BMC), IPMI 1.5 compatible
PCI Controller **	
SATA-RAID controller (Promise FastTrak S150™ TX4)	RAID Level 0, 1, 10 (only SATA variant) (RAID 5 opt. with S 150™ SX4) ZCR opt. for SCSI variant
Hard disk drives	18, 36, 73, 146 Gbyte SCSI (Hot-plug) **or** 80,160, 250 Gbyte SATA (hot-plug)
1 Gbyte equals one billion bytes when referring to hard disk drive capacity; accessible capacity may vary.	
I/O Slots: 2 x PCI-X 64-bit / 66 MHz, long; (3,3 V) 3 x PCI 32-bit / 33MHz, (2 x short , 1 x long (5V); one slot occupied by SATA RAID Contr. in SATA version	
Drive bays	
for hard disks **SCSI variant** **SATA variant**	4 x 3.5/1-inch, for hot-plug SCSI (in slide-in chassis) Optional: 3 x 3.5/1-inch hard disk extension unit, occupies 2x 5.25/1.6-inch bays for accessible drives 4 x 3.5/1-inch for hot-plug SATA (in slide-in chassis)
for accessible drives	3x 5.25/1.6-inch, one bay is occupied by CD / DVD or CD/DVD-RW
for floppy disk drive	1x 3.5/1-inch, occupied by FDD

Output power	400 W / 1 + 1 x 400 W each
Rated voltage range	100 - 240 V
Rated frequency	50-60 Hz
Max. rated current	100 V - 240 V / 6 A – 3 A
AC output	- / -
Rated current in basic configuration	100 V - 240 V / 1.9 - 0.8 A
Active power	274 W
Apparent power	300 VA
Heat emission	986 kJ/h (936 btu/h)
Temperature/Noise/Dimension/Weight	
Ambient temperature	10°C - 35°C (DIN EN 60721)
Sound pressure L_{pAm}	<= 45dB (A) (ISO9296)
Sound power L_{WAd}	<= 6.0 B (ISO9296)
Dimension of floor-stand (HxWxD)	444 * 205 * 605 mm, incl. all plastics
Weight	approximately 28 kg (depends on configuration)
Compliance with Norm and Standards	
Product safety	
Global	IEC 60950
Europe	EN 60950
USA	UL 60950 3rd. Ed.
Canada	CAN/CSA-C22.2 No. 60950 3rd. Ed.
Electro magnetic compatibility	
Europe	EN 55 022 class A, EN 55024, EN61000-3-2 / -3
USA / Canada	FCC class A
Declaration of conformity	
Europe (CE)	89/336/EEC; 73/23 EEC
North America	FCC class A
Approvals	
Product safety	
Global	CB
Europe	CE
USA / Canada	CSA_{US} / CSA_{C}
There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons, can be applied for on request.	
Supported operating systems	
Microsoft: Windows 2003 Enterprise; Standard; Web Edition Microsoft: Windows SBS* 2003 Standard / Premium Edition Microsoft: Windows 2000 Advanced Server; Server Novell: NetWare 6.5 (not released for SATA) SCO: OpenServer 5.0.7 (not released for SATA) SUSE: LINUX ES-8; LINUX 9.0 Red Hat: LINUX EL2.1; LINUX EL3	
* No application support ** For supported controllers (onboard and PCI cards for SCSI, RAID, LAN, WAN, etc.), please refer to the corresponding system configurator.	
Server Management (see separate data sheets)	
Standard	PRIMERGY ServerView Suite; PDA, ASR&R
Optional	RemoteView, RemoteView Service Board (RSB), chipDISK

Electrical values	
Power supply	Standard / Redundant hot-plug

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